

20020301.ba v03_n304.bam.20020301

>From ???@??? Fri Mar 1 00:00:53 2002 -0600
Message-Id: <200203010600.g2160cPN022077@sco.theporch.com>
Date: Fri, 1 Mar 2002 00:00:13 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3304

BOATANCHORS Digest 3304

Topics covered in this issue include:

- 1) Re: 6146 vs. 6146B
by W7QH0@aol.com
- 2) Boatanchors at Winterfest
by Mike Steussy - AE4R <hikrbikr@erols.com>
- 3) Re: ARC-2
by "Ed Zeranski" <ezeran@concentric.net>
- 4) Sendec
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 5) Re: 6146 vs. 6146B
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 6) Re: 6146 vs. 6146B
by AA8TV@aol.com
- 7) Service Bulletins or Letters for Johnson Desk Kilowatt
by "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>
- 8) Re: 6146 vs. 6146B
by "russ dworakowski" <wb3fau@hotmail.com>
- 9) Re: 6146 vs. 6146B
by Chuck Swiger <cswiger@widomaker.com>
- 10) REO question
by jay_coward@agilent.com
- 11) ADMINISTRIVIA: Posting Admin Requests
by listown@nanniandjack.com (Mail List Owner)
- 12) Subbing for the 5AR4/GZ34
by Richard Post <postr@ohiou.edu>
- 13) Re: Subbing for the 5AR4/GZ34
by Arden Allen <gumbear@pacbell.net>
- 14) Re: 6146 vs. 6146B
by "Dan Martin" <dmartin@visuallink.com>
- 15) REO question 2
by jay_coward@agilent.com
- 16) Re: Very obscure request
by "Steve" <scb@fly.hiwaay.net>
- 17) Re: Very obscure request
by Arden Allen <gumbear@pacbell.net>
- 18) FRR-26

by matt parkinson <mparkinson1@socal.rr.com>
19) RE: FRR-26
by Morris Odell <Morris0@vifp.monash.edu.au>
20) FS: tubes by the lot
by William Donzelli <aw288@osfn.org>

From: W7QH0@aol.com
Message-ID: <10f.cf58f77.29aefae5@aol.com>
Date: Wed, 27 Feb 2002 22:15:49 EST
Subject: Re: 6146 vs. 6146B
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/27/02 1:07:39 PM, k4pf@juno.com writes (in part):

>The current issue of Electric Radio has an article called
>"The 6146 Family of Tubes", by Glen Zook K9STH.....

Interesting article. I too had always thought the "B" and earlier types were completely interchangeable. I can report that the Bs seem to work OK in the Multi Elmac AF 67 and 68 rigs. Also, I recently discovered that I had inadvertently mixed an A and a B in my Viking II and had been operating that way for several years with no apparent ill effects.

Dennis D. W7QH0
Glendale, CA

Message-ID: <3C7DA650.9FA4327C@erols.com>
Date: Wed, 27 Feb 2002 22:38:56 -0500
From: Mike Steussy - AE4R <hikrbikr@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Boatanchors at Winterfest
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Ahoy! This Sunday, March 3rd, will be the annual Winterfest in Annandale Virginia, just outside the National Capitor Beltway (I-495) starting at 8AM. For location and other details, check the Vienna Wireless Society website at:

<www.viennawireless.org/winterfest.php>

This hamfest has always been a good one for vintage amateur equipment and I expect it to continue that tradition. It will be all indoors this year, no outside tail-gating. We have excellent speakers lined up, including Mike Martin, K3RFI, who gives a wonderful presentation on radio frequency interference and what to do about it, and Riley Hollingsworth, K4ZDH, of the FCC and who needs no introduction. If you're within range, please come.

NOTE the club has two boatanchors for sale, for local pick-up only (at least this weekend). If I don't have buyers before Sunday, I'll take them to Winterfest.

1. Hallicrafters HT-32 transmitter. The unit is dusty and thus far untried, but appears to be in about as nice material condition as any I've seen. (It looks better than my HT-32B!) The original manual is included. The club member who brought in this famous transmitter told me the owner said it worked last time he tried it. Hmmm... On Saturday, I'll dust it off and maybe fire it up. I think the club ought to get \$150 for this monster, but I'll negotiate with anyone who comes to pick it up.

2. National NC-98 receiver. This unit is also dusty, but otherwise in remarkably good condition, and has the original manual. It receives well, though not on CW, maybe the result of a BFO oscillating at some frequency away from the IF. Also, the dial needle on main tuning slips. This weekend I'll dust it off and treat it with De-Oxit. I might decide to buy this beauty myself, but if not, the club ought to get \$60 for it. Again I'll negotiate if a buyer wants to pick it up.

I live in Vienna VA, about 5 driving miles outside the National Capitol Beltway. E-mail me for directions and phone number. My address is good in QRZ.

73, Mike Steussy AE4R

Message-ID: <006201c1c010\$ac6fc3a0\$dc64fea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: ARC-2
Date: Wed, 27 Feb 2002 20:30:36 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Damn! I did work on ARC-2 sets (2 boxes) back in 1964. The first time I

hit power it was in a WWII 6X6 fitted out as a ground control vehicle. Ike Gregor and I set one up to get sent to Danang as back up air control in case the NVA hit the control. When the dc hit the ARC-2 took off on a freq seeking / open seeking mission! ;^) Oh lawdy! It was an experience ! Didn't mess with a 2 box until Doug Dilley WA6VOV and I got one from now SK Terry Danielson. It was a good radio which Doug sent to Bruddah Dave Stinson for \$25.

-----Original Message-----

From: Kargokult@aol.com <Kargokult@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tuesday, February 26, 2002 9:04 PM
Subject: Re: ARC-2

>In a message dated 2/26/02 10:16:12 AM Pacific Standard Time,
>jay_coward@agilent.com writes:

>

><< Doesn't transceiver imply the use of a common LO for tx and rx?

> Jay >>

>

>I don't think so. Just common active stages - i mean other than power
>supply. Two units that cannot act independently, both can not operate
>at the same time.

>Hue

>

>

Date: Thu, 28 Feb 2002 08:28:43 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200202281328.IAA01724@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Sendec

were Star Dust's last words

Date: Thu, 28 Feb 2002 08:27:01 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200202281327.IAA01612@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 6146 vs. 6146B

On this

> Should I start buying plain-vanilla 6146 and 6146A's and pass up

6146B's for my old KWM-2?

Ed I offer this for your consideration.

I've been running same pair. of 6146Bs in a KWM-1 (#1038) for 22 years.
M-1 was made in '58 & still has factory neutralization.

But ER's cozy Glen Zook K9STH has gift of insight. He must know
the hamfest vendor who sold me those tubes used in 1980. Guy said
they were "special for Collins" since:

- o stamped 8298/6146B.
- o says RCA on base
- o loose plate caps

I wonder if Glen Zook is related to famous Ohio River Co. ex-towboat
captain Paul Zook. Paul has the record for hitting Cincy's
Tyler-Davidson bridge more than any river pilot in history

From: AA8TV@aol.com
Message-ID: <171.9956b11.29afa2b9@aol.com>
Date: Thu, 28 Feb 2002 10:11:53 EST
Subject: Re: 6146 vs. 6146B
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a KWM-2 made in 1962 and have been using 6146B's with the factory
neutralization setting for about 8 years now. The radio works fb and has been
trouble free.

73, Ed
AA8TV

Message-ID: <1D1B8647FA5CD411A02800508BDFD0A002F6925F@stpmsx03.stp.guidant.com>
From: "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Service Bulletins or Letters for Johnson Desk Kilowatt
Date: Thu, 28 Feb 2002 09:55:52 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi,

My Desk KW documentation includes a service bulletin #2. Does anyone know how many service bulletins were published and what they covered? I'd be happy to buy the original or copy of all Desk KW service bulletins. I would reoffer them to others by scanning them and putting 'em up on my boatanchor website. Thanks

73, Scott WA9WFA
<http://www.qsl.net/wa9wfa>

From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 6146 vs. 6146B
Date: Thu, 28 Feb 2002 11:32:01 -0500
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <LAW2-F119grB33UKyM200004a61@hotmail.com>

I have used 6146Bs in kwm-2a, Apache, DX-100, and BW-5100 with good success and no mods. Russ

>From: AA8TV@aol.com
>Reply-To: AA8TV@aol.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Re: 6146 vs. 6146B
>Date: Thu, 28 Feb 2002 10:11:53 EST
>
>I have a KWM-2 made in 1962 and have been using 6146B's with the factory
>neutralization setting for about 8 years now. The radio works fb and has
>been
>trouble free.
>
>73, Ed
>AA8TV
>

Join the world's largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Message-Id: <4.3.1.1.20020228120036.00d8d490@192.168.0.134>
Date: Thu, 28 Feb 2002 12:03:34 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Chuck Swiger <cswiger@widomaker.com>
Subject: Re: 6146 vs. 6146B

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Don't forget the 6293 - one web site describes as:

High current pulse rated 6146. Will handle 3 AMPS of plate current in short pulses! This is an "electrically ruggedized" 6146. All other specs are the same.

runs in my BW-5100

Chuck
kb4new

At 11:32 AM 2/28/02 -0500, you wrote:

>I have used 6146Bs in kwm-2a, Apache, DX-100, and BW-5100 with good
>sucess and no mods. Russ

Message-ID: <01A7DAF31F93D511AEE300D0B706ED92015730DD@axcs13.cos.agilent.com>
From: jay_coward@agilent.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: REO question
Date: Thu, 28 Feb 2002 10:41:52 -0700
MIME-Version: 1.0
Content-Type: text/plain

I am refinishing a REO cabinet and I would like to know which front panel tag goes where? There is an I'd tag and a Caution tag.

Thanks,

Jay

Sent from my BlackBerry Wireless Handheld (www.BlackBerry.net)

Message-Id: <200202281915.g1SJFK6e013735@osr506.nanniandjack.com>
From: listown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Posting Admin Requests
Date: Thu, 28 Feb 2002 11:15:00 -0800 (PST)

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

If there is a problem with your email, i.e., the list suddenly stops coming

to you, or if you have problems with someone else's mail, PLEASE address any questions to, and seek help from:

listown@nanniandjack.com

There is really no one on the list who can help you with a problem, and if I don't happen to see your post, nothing will happen, except you may irritate the other list members... needlessly.

This is *especially* true of the "XXXX YYYYY your mail is bouncing, please send me a good address"

If your mail to this person is bouncing, in all likelihood, either you have the address a bit wrong, or s/he isn't receiving mail from ANYWHERE *especially* not from the list, which is delivered as "Bulk!"

PLEASE treat the list as a symposium.

In such an environment, with many folks attending who have paid to be here, it is unlikely you would take up the symposium's resources to solve an individual problem with your seating...

So, if you encounter a problem, PLEASE remember to send your questions to me, the one person who can help, at:

listown@nanniandjack.com

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -

listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

Thu Feb 28 11:15:00 PST 2002

Message-Id: <v03007801b8a441f72830@[132.235.46.182]>

Mime-Version: 1.0

Content-Type: text/enriched; charset="us-ascii"

Date: Thu, 28 Feb 2002 16:37:02 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Richard Post <postr@ohiou.edu>

Subject: Subbing for the 5AR4/GZ34

Have been working on some tube audio gear the past couple of weeks including some Eico stuff. Picked up an HF-87 and an HF-85 preamp to go with it. Also serviced an ST-40. Great sound when working as Eico intended. Makes great trading material for BA receivers, etc. In the process, used up my last new-old-stock 5AR4 bought when they were still

affordable. Got to thinking about subs. These are cathode slow warm-up types with very healthy ratings for their size and only a 1.9 amp filament draw.

Just started on a Scott 340 that uses a pair of these, wired as half wave each. Fortunately they are both in good shape. The later Scott 340B used solid state diodes for this function with few other changes. The Eico HF-87 uses a thermal time-delay relay and solid state diodes.

Has anyone tried the marry a couple of solid state diodes such as the 1N007 with a TV damper diode such as a 6AX4? Seems to me that such a combo might provide the needed time delay, the vacuum tube voltage drop, and the full-wave and size benefits of Si diodes while retaining the tube look. I wonder how well a 6AX4 would work at about 5 volts? The tube manual specs call for 5.6 to 6.9 as the acceptable filament range. It draws a bit less current than the 5AR4. And tube damper diodes are still available cheap. Usually they are tossed out. They have some excellent heater to cathode ratings and handle high voltage and current well.

Anyone tried this experiment yet?

Rich

<fontfamily><param>Geneva</param>Boatanchor Pix website - KB8TAD

<<http://oak.cats.ohiou.edu/~postr/bapix/>

Museum of Radio and Technology

<<http://oak.cats.ohiou.edu/~postr/MRT> </fontfamily>

Date: Thu, 28 Feb 2002 14:23:26 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Subbing for the 5AR4/GZ34
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GS900M6DKUMTU@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Rich;

I used to own a Scott 340 way back when (it got stolen from my garage). I wired in silicon diodes and a 25 ohm 10 watt resistor between the diodes and filter cap to keep the voltage on the output tubes (7591A's) down to the same operating voltage provided by the 5AR4's. Didn't have any ill effects from that.

I've thought about using damper diodes but you list the same problems I considered so never did it. I resigned myself to replacing 5AR4's with 5U4GB/GC's with not to much of a lowering of B+. You never listen to an amp close to clipping unless you are a speaker torturer or masochist anyway.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <002301c1c0aa\$447cfde0\$d85897ce@dmartin>

From: "Dan Martin" <dmartin@visuallink.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: 6146 vs. 6146B

Date: Thu, 28 Feb 2002 17:50:02 -0500

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

As I did with my very early '61 WE KWM-2. Recently took it down for installation of the SB-8 series and discovered it had been motoring along quite happily with Pro/Comm (huh?) 6146B's in it. Granted, it has seen only occasional use in the 4-5 years I've had it but it's been occasional use free of PA problems. Interesting ...

Dan
WB4GRA

Also, I recently discovered that I had inadvertently mixed an A and a B in my Viking II and had been operating that way for several years with no apparent ill effects.

>

> Dennis D. W7QHO

> Glendale, CA

Message-ID: <01A7DAF31F93D511AEE300D0B706ED92015730E8@axcs13.cos.agilent.com>

From: jay_coward@agilent.com

To: Old Tube Radios <boatanchors@theporch.com>

Subject: REO question 2
Date: Thu, 28 Feb 2002 16:23:32 -0700
MIME-Version: 1.0
Content-Type: text/plain

Hello again folks,
Anyone know what the correct pilot lamp is for the Crosley REO?
Thanks,
Jay

Sent from my BlackBerry Wireless Handheld (www.BlackBerry.net)

Message-Id: <200203010145.g211j68w023558@mail.hiwaay.net>
From: "Steve" <scb@fly.hiwaay.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 28 Feb 2002 19:43:57 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Very obscure request
CC: Old Tube Radios <boatanchors@theporch.com>

Hi John;

This is how I do it.

I like Alpha-C (superglue) for bakelite. Done right once the first time, it is fast , nearly invisible and permenantly strong . Done wrong, the quickly bonded misaligned pieces look terrible and you need a proper solvent to undo the damage, IF it can get to all the glue. Definitely a potential project killer.

Clear standard-set epoxy is also excellent and does give more work time, but all the pieces have to be done at one time with the pieces kept in perfect clamped alignment until it sets. Gentle heat will speed the epoxy curing process (if you can touch it, it's OK). The choice of adhesive depends on the exact circumstances, how many pieces, are they all there, can it be clamped or somehow supported in alignment while glue cures or will you have to hold it, ect?

Gently dry (blower/brush) clean the mating surfaces to avoid contaminating them with something that will interfere with the bonding/curing process. You can wet-clean it after bonding. The hardened "squeezings" can be *carefully* shaved away with a razor blade or fresh Xacto blade, regardless of which adhesive is used. Rehearse the process in your head and hands several times before doing the job & have everything you may possibly need (like wipes)

immediately at hand. Superglue accelerator is a good thing (but not essential) to have if you decide to use Alpha-C to glue it all at once, running the glue into the "cracks" while holding it fully assembled. If possible, practice on something similar expendable to get the feel of the process. It may or may not quickly fully cure, depending. It will be very difficult to get things properly realigned on partially cured glue, be sure it is actually bonded before releasing it.

Good luck!

Rgds; Steve Bringhurst

Date: Thu, 28 Feb 2002 18:28:05 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Very obscure request
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GS900JX9W6FJX@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Steve;

>
> I like Alpha-C (superglue) for bakelite. Done right once

You make some good points on bonding bakelite (phenolic resin) of which I would like to add to. Acetone is indispensable in the process. If the pieces are freshly broken there are less problems and the joint surfaces need no pretreatment, just coat one side thinly with super glue and immediately press the parts together. As soon as the joint "sets", remove the squeeze-out with acetone on a cotton swab, ringing the swab out somewhat first to avoid washing out the joint. Acetone acts as an accelerant and contributes to the curing of the bond if not in excess. For joints that may be contaminated with dirt, etc., clean the joint first with acetone and as soon as the acetone appears to have evaporated proceed with the bonding process. The residual acetone aids in the bonding process.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <3C7EFD63.20BC9882@socal.rr.com>
Date: Thu, 28 Feb 2002 20:02:43 -0800
From: matt parkinson <mparkinson1@socal.rr.com>
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>
Subject: FRR-26
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Who know what an AN/FRR 26 is and what is the frequency range on this heavy thing .
Matt

Message-ID:
<07A064EA6042D4118A62009027F70E77181E28@nt_exchange.vifp.monash.edu.au>
From: Morris Odell <Morris0@vifp.monash.edu.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: FRR-26
Date: Fri, 1 Mar 2002 15:32:18 +1100
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

matt parkinson wrote:

> Who know what an AN/FRR 26 is and what is the frequency range on this
> heavy thing .
> Matt
>

Take a look at:

<http://oak.cats.ohiou.edu/~postr/bapix/FRR26.htm>

Looks like a nice piece!

73, Morris

>

Date: Fri, 1 Mar 2002 00:14:50 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: tubes by the lot
Message-ID: <Pine.SUN.3.91-FP.1020228234617.6309I-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Time to clear away more tubes.

Like previous deals, each lot contains a bunch of untested tubes. The tubes are good types - ones commonly found in military and boatanchor gear. Basically, if the tube is cool enough to be in "Tube Lore", it is allowed in the lots. This keeps the TV garbage out, with the weird filaments and other oddities. This time around, there are quite a few military tubes (VTs and JANs) mixed in.

Lots are priced at a 20 dollar bill, and that includes shipping in the U.S.. Anyone outside the States can contact me, and I can figure out shipping from there.

>From experience, you can expect about 80 percent of the tubes to be good. Also, from experience, I tend to throw in a few extras into each lot.

So, here are the lots (with typical examples)...

I) 40 glass octals - 6F6GT, 6K6GT, 12SK7GT, etc..

II) 40 metal octals - 6AC7, 6SF7, 6SQ7, and so on.

III) 40 loctals - 7s and 14s, mostly.

IV) 40 miniature battery tubes - 1T4, 1U4, 3S4, 3V4, and the like.

V) 60 miniatures - 6 and 12s, like 6AB4, 6AU6, 6BA6, 6J6, etc.

VI) 200 miniatures - 6 and 12s, but weird/late (6GH8, etc.) numbers.

VII) 30 glass octal battery tubes - 1D8GT, 1T5GT, 3Q5GT, etc.

VIII) 20 rectifiers - 5U4s, 5V4s, 5Y3s, and so on.

Additionally - anyone that wants my weird TV junk (17 volt tubes, Compactrons, etc.) - I will make you one heck of a deal you can not refuse...

William Donzelli
aw288@osfn.org

End of BOATANCHORS Digest 3304
